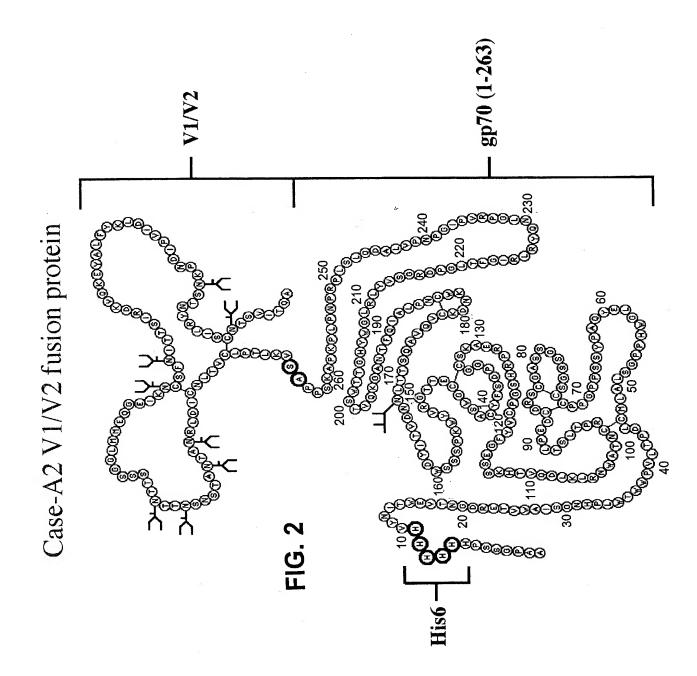
Appln No.: 10/038,407 Page 1
Applicant(s): Abraham Pinter
HIV-1 GP120 V1/V2 DOMAIN EPITOPES CAPABLE OF
GENERATING NEUTRALIZING ANTIBODIES



HXB2 Case-A2	Most common clade /55	2nd most common/55	
1 1	U 4	五 2	
1 [52° H	> i₁	
1 1	년 54	ດ ⊣	
1 F	V 47	⊢ 1 €	
H	D V V P 55 33 47 54	1 2 2 1	
F F		*	
1.1	72 Z	> ⊣	
1 1	Y K L 47 42 52	民 ~	
1 1	₹	1 4 N 4	4
1-1	F 51	니.4	(1)
<u>г</u> ч	ALF 55 40 51 4	* 10 4 1 4	FIG.
1 1	A 25	*	
1 1	¥ ₹	Z 4	
1 !	X 50 45		
11	~ .v	K 2 2	
1 1	V Q I	M K 13 6	
1 1	52 3	以 c	
ט ו	J]	N 18	
11	况 7.	ω _υ	
1 1	T 45 4	54 72	
1 1	Ω. £	N '	
1 1	T 54	⊣	
o I	H 4	တ္ထ	:
1 1	H 24	>	
1.1	N 46	→ 4	
1 1	된 25	*	
1.1	លាខ្ល	* — 8.	

Appln No.: 10/038,407 Page 2
Applicant(s): Abraham Pinter
HIV-1 GP120 V1/V2 DOMAIN EPITOPES CAPABLE OF
GENERATING NEUTRALIZING ANTIBODIES







Appln No.: 10/038,407

Applicant(s): Abraham Pinter
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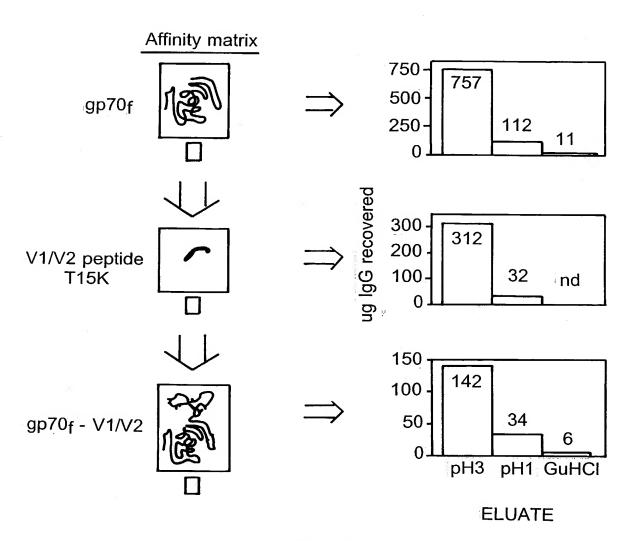


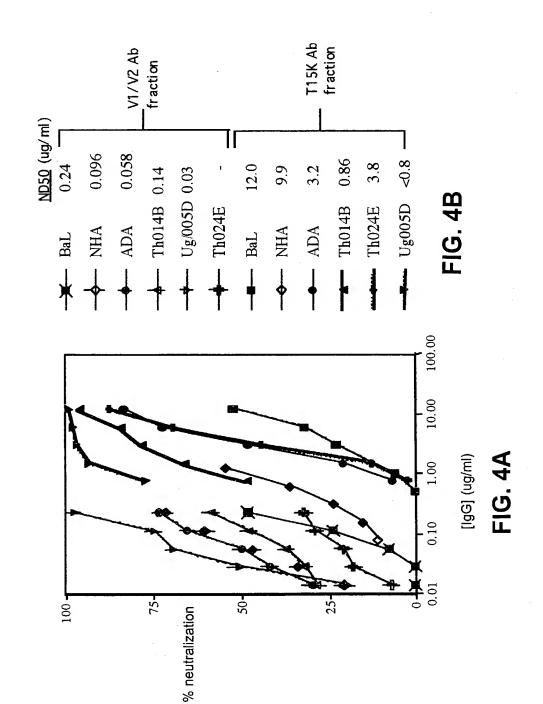
FIG. 3

Page 4 of 13



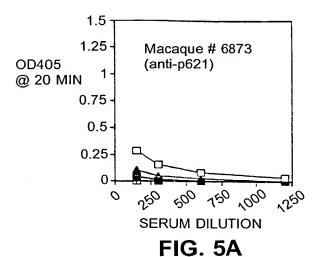
Appln No.: 10/038,407 Page 4
Applicant(s): Abraham Pinter
HIV-1 GP120 V1/V2 DOMAIN EPITOPES CAPABLE OF
GENERATING NEUTRALIZING ANTIBODIES

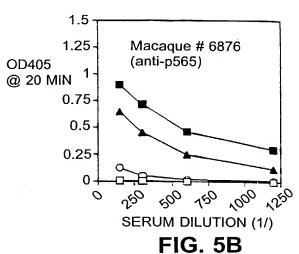


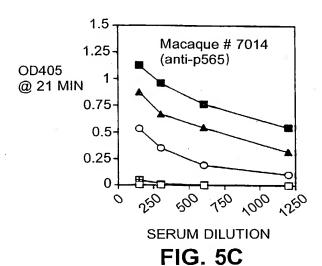


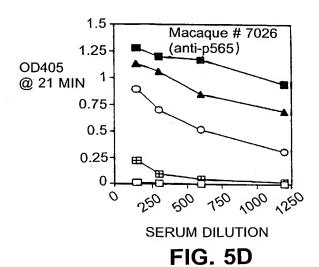


Appln No.: 10/038,407 Page 5 of 13
Applicant(s): Abraham Pinter
HIV-1 GP120 V1/V2 DOMAIN EPITOPES CAPABLE OF
GENERATING NEUTRALIZING ANTIBODIES











Appln No.: 10/038,407 Page 6
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HIV-1 GP120 V1/V2 DOMAIN EPITOPES CAPABLE OF
GENERATING NEUTRALIZING ANTIBODIES

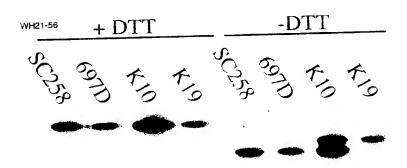
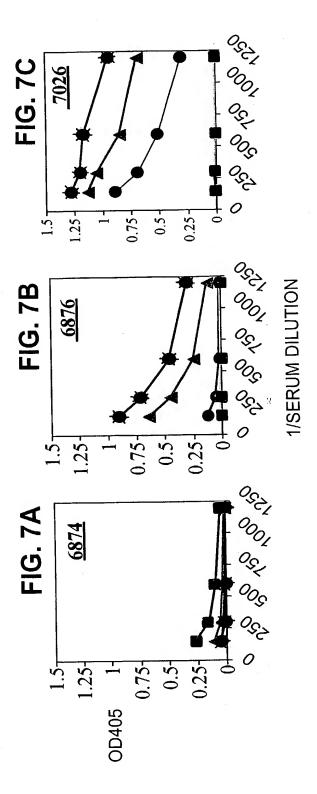


FIG. 6

Appln No.: 10/038,407 Page Applicant(s): Abraham Pinter
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NA Consensus clade B sequence Brazil clade B V1/V2 protein Thai clade E V1/V2 protein gp70 carrier protein p599 **p**565 p580

Page 8 of 13

Appln No.: 10/038,407 Page 8
Applicant(s): Abraham Pinter
HIV-1 GP120 V1/V2 DOMAIN EPITOPES CAPABLE OF
GENERATING NEUTRALIZING ANTIBODIES



FIG. 8A

BaL rgp120

5.

OD 405

2

—■ Starting serum (macaque #7026)

SF162 V1/V2 fusion protein Serum absorbed with

0/

0

0.5

 Antibodies eluted from SF162 V1/V2 fusion protein column

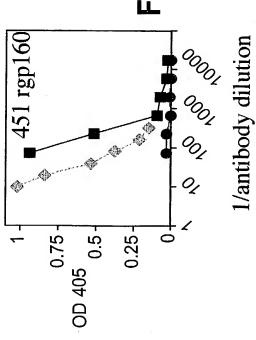


FIG. 8B

Applin No.: 10/038,407 Page 9
Applicant(s): Abraham Pinter
HIV-1 GP120 V1/V2 DOMAIN EPITOPES CAPABLE OF
GENERATING NEUTRALIZING ANTIBODIES

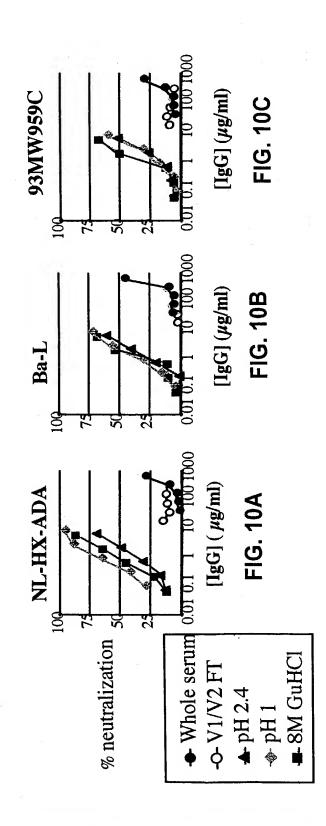


[IgG] $(\mu g/m]$ 93MW959C FIG. 9C [IgG] ($\mu g/ml$) FIG. 9B Ba-L Macaque #6876 serum [IgG] ($\mu g/ml$) NL-HX-ADA FIG. 9A <u>\$</u> Whole serum ◆ <u>V1/V2</u> FI % neutralization ► pH 2.4 → bH

Applin No.: 10/038,407
Applicant(s): Abraham Pinter
HIV-1 GP120 V1/V2 DOMAIN EPITOPES CAPABLE OF
GENERATING NEUTRALIZING ANTIBODIES



Macaque #7026 serum





Appln No.: 10/038,407 Applicant(s): Abraham Pinter HIV-1 GP120 V1/V2 DOMAIN EPITOPES CAPABLE OF

GENERATING NEUTRALIZING ANTIBODIES

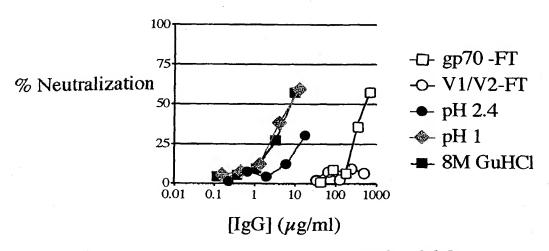


FIG. 11A

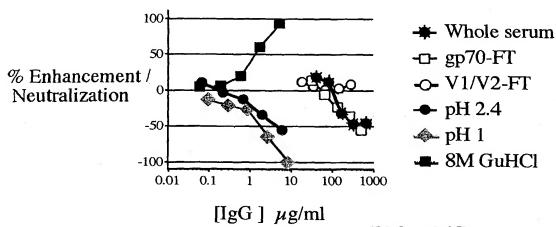


FIG. 11B



Appln No.: 10/038,407
Applicant(s): Abraham Pinter
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GENERATING NEUTRALIZING ANTIBODIES

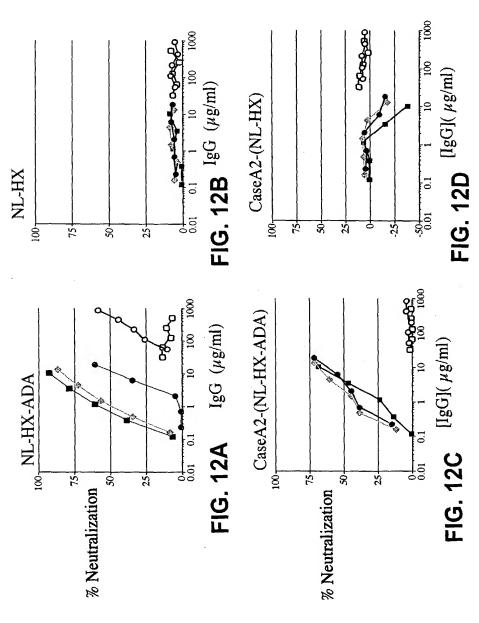
-- Whole serum

-- p565-FT -- pH 2.4 -- pH 1

→ 8M GuHCl



T-Tropic:

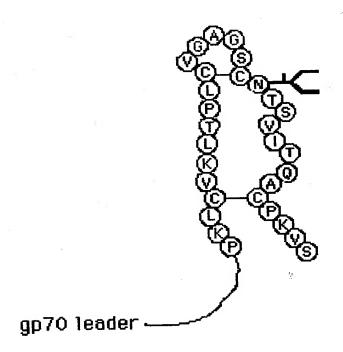






Applin No.: 10/038,407

Applicant(s): Abraham Pinter
HIV-1 GP120 V1/V2 DOMAIN EPITOPES CAPABLE OF
GENERATING NEUTRALIZING ANTIBODIES



"V1/V2 stem-only" FIG. 13